

PCT10

RAW SEQUENCE LISTING DATE: 04/11/2002 PATENT APPLICATION: US/10/089,128 TIME: 16:03:46

Input Set : A:\PT-1066 USN SEQUENCE LISTING.txt

Output Set: N:\CRF3\04112002\J089128.raw

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      4 <110> APPLICANT: INCYTE GENOMICS, INC.
      5
              HODGSON, David M.
      6
              LINCOLN, Stephen E.
      7
              RUSSO, Frank D.
      8
              SPIRO, Peter A.
      9
              BANVILLE, Steve C.
     10
              BRATCHER, Shawn R.
     11
              DUFOUR, Gerard E.
     12
              COHEN, Howard J.
     13
              ROSEN, Bruce H.
     14
              SHAH, Purvi
     15
              CHALUP, Michael S.
     16
              HILLMAN, Jennifer L.
     17
              JONES, Anissa L.
     18
              YU, Jimmy Y.
     19
              GREENAWALT, Lila B.
     20
              PANZER, Scott R.
     21
              ROSEBERRY, Ann M.
     22
              WRIGHT, Rachel J.
     23
              CHEN, Wensheng
     24
              LIU, Tommy F.
     25
              YAP, Pierre E.
              STOCKDREHER, Theresa K.
     26
     27
              AMSHEY, Stefan
              FONG, Willy T.
     28
     30 <120> TITLE OF INVENTION: MOLECULES FOR DIAGNOSTICS AND THERAPEUTICS
     32 <130> FILE REFERENCE: PT-1066 PCT
C--> 34 <140> CURRENT APPLICATION NUMBER: US/10/089,128
C--> 35 <141> CURRENT FILING DATE: 2002-03-22
     37 <150> PRIOR APPLICATION NUMBER: 60/156,294; 60/155,760; 60/155,939; 60/156,565;
60/156,624;
W--> 38 60/156,625; 60/167,542; 60/167,522; 60/167,453; 60/167,517;
W--> 39 60/167,943; 60/167,945; 60/167,520; 60/168,468; 60/168,599;
W--> 40 60/167,410; 60/168,265; 60/168,429; 60/168,432; 60/167,521;
W--> 41 60/168,857; 60/168,197; 60/168,611; 60/168,613
W--> 43 <151> PRIOR FILING DATE: 1999-09-24; 1999-09-23; 1999-09-24; 1999-09-28; 1999-09-28;
W--> 44 1999-09-28; 1999-11-24; 1999-11-24; 1999-11-24; 1999-11-24;
W--> 45 1999-11-29; 1999-11-29; 1999-11-24; 1999-12-01; 1999-12-01;
W--> 46 1999-11-24; 1999-11-30; 1999-11-30; 1999-11-30; 1999-11-24;
W--> 47 1999-12-02; 1999-11-30; 1999-12-02; 1999-12-02
     49 <160> NUMBER OF SEQ ID NOS: 71
     50 <170> SOFTWARE: PERL Program
     52 <210> SEQ ID NO: 1
     53 <211> LENGTH: 3211
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     55 <213> ORGANISM: Homo sapiens
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     58 <221> NAME/KEY: misc_feature
     59 <223> OTHER INFORMATION: Incyte ID No: 405310.1.oct
     61 <220> FEATURE:
     62 <221> NAME/KEY: unsure
63 <222> LOCATION: 91, 105, 119, 122, 124, 131, 139, 143, 211, 262, 288, 318, 342, 347,
              399, 414, 416, 421
     65 <223> OTHER INFORMATION: a, t, c, g, or other
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W--> 70 gntmaagctg magtatatne ctmagttgge tggtaaatet geeeggtgta tggetgttgt 180
  > /1 ggctgcatca tgtctggagg gacaaatctg ncttgctcga atagtcatag ccagcatact 240
   * 72 gttatagggt cctccacttc cnccataatc ataggactgc tgtgactnat catcgatgct 300
  4> 73 gtaacttgtc tggtaganat ccgtgtttaa gttttcaaag cntgacnttg caaataatca 360
W--> 74 aactetgagg etgegetgae ggeaaaggea gtagettene taateceata caanenecaa 420
W--> 75 ncqctqqttc agggtctgaa acagagtttg ggggttgttt gggattagtg aagctactgc 480
     76 ctttgccgcc agcgcagcct cagagtttga ttatttgcaa tgtcaggctt tgaaaactta 540
     77 aacacggatt tctaccagac aagttacagc atcgatgatc agtcacagca gtcctatgat 600
     78 tatqqaqqaa qtqqaqqacc ctataqcaaa cagtatqctq gctatqacta ttcqcaqcaa 660
     79 qqcaqatttq teectecaqa catgatgcag ecacaacage catacacegg geagatttac 720
     80 cagccaactc aggcatatac tccagcttca cctcagcctt tctatggaaa caactttgag 780
     81 gatgagecae etttattaga agagttaggt ateaattttg accaeatetg geaaaaaaca 840
     82 ctaacagtat tacatccgtt aaaagtagca gatggcagca tcatgaatga aactgatttg 900
     83 gcaggtccaa tggttttttg ccttgctttt ggagccacat tgctactggc tggcaaaatc 960
     84 cagtttggct atgtatacgg gatcagtgca attggatgtc taggaatgtt ttgtttatta 1020
     85 aacttaatga qtatqacaqq tqtttcattt qqttqtqtqq caaqtqtcct tqgqatattq 1080
     86 tettetque atgatectae tttecagett tgeagtgata ttttetttge aaggaatggt 1140
     87 aggaatcatt ctcactgctg ggattattgg atggtgtagt ttttctgctt ccaaaatatt 1200
     88 tatttctgca ttagccatgg aaggacagca acttttagta gcatatcctt gcgctttgtt 1260
     89 atatggagte tttgccctga tttccgtctt ttgaaaattt atctgggatg tggacatcag 1320
     90 tgggccagat gtacaaaaag gaccttgaac tcttaaattg gaccagcaaa ctgctgcagc 1380
     91 gcaactctca tgcagattta catttgactg ttggagcaat gaaagtaaac gtgtatctct 1440
     92 tqttcatttt tataqaactt ttqcatacta tattggattt acctgcggtg tgactagctt 1500
     93 taaatgtttg tgtttataca gataagaaat gctatttctt tctggttcct gcagccattg 1560
     94 aaaaaccttt ttccttgcaa attataatgt ttttgataga tttttatcaa ctgtgggaaa 1620
     95 ccaaacacaa agctqataac ctttcttaaa aacgacccag tcacagtaaa gaagacacaa 1680
     96 gacttactgc aaaaatattt ttccaaggat ttaggaaaga aaaattgcct tgtattctca 1740
     97 agtcaggtaa ctcaaagcaa aaaagtgatc caaatgtaga gtatgagttt gcactccaaa 1800
     98 aatttqacat tactgtaaat tatctcatgg aatttttgct aaaattcaga gatacgggaa 1860
     99 gttcacaatc taccttattg tagacatgaa atgcgaacac ttacttacat attaatgtta 1920
     100 actcaacctt agggacctgg aatggttgca ttaatgctat aatcgttgga tcgccacatt 1980
     101 tcccaaaaat aataaaaaa tcactaacct tttttaagga aaatatttaa agttttacaa 2040
     102 aattcaatat tgcaattatc aatgtaaagt acatttgaat gcttattaaa actttcccaa 2100
     103 ttaattttaa etgtgttatt gaatttaett ttaetaaaet aetgttetet ttgtetettt 2160
     104 tttaactagg ctctgatttt gacccctaat ttaagcttta agaatagaaa tcagctaata 2220
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105 tagaatcaga caaaaagggg attaaatgag cagtttgagt tacattattt tattgtatta 2280

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106 aatttatttq atttatattq tcatqttctc ttqccaqaqa qaatctgtag gaaaatactg 2340
107 tatcttqtat actqatcatt ggctttttct agaaaaactg tctctgattc tggacaaagc 2400
108 tcaqttataq ttacqaqaaa qatatqqtac aqqqaqqaaa atactqcctt ttttttttt 2460
109 ttaaaqaqat tttcaqacta aataqaaatg tcaaaatgat gtatcaatgg ttctttttta 2520
110 gaacaagttt tcaaagcata aaaagaggtt gagagaaata acatatttat tgattcacat 2580
111 aaqtatqttt ttcttcatta atcqtctqqa gaaacccact tgtcattaat ttgttttggg 2640
112 ctaggttttc aaacttacca aattgcttta aaaaagcaat ttggaaggta atttgatagg 2700
113 ctttccaact taaccaaatt ttttattgta attcttggat agtatttttg tcttttcaa 2760
114 ttcatttqtc tttttcagta tagtttttgt taaggcaaat gtcttccctt aatatccaaa 2820
115 tattgctaat aaacqqtaga agatqctttg gaaattaaaa ttatctcgct gttggttaga 2880
116 cttaacactg ttaatcttca gccaaatatc acatatggat caaattattt tcttttttgt 2940
117 tgtttaccct atcctcaaca acatttttag tttaaattat tgtagagatt ttttttgtgg 3000
118 tqqttatttt ttattttqct ccaaaataat aaggtqcaaa gctattttat gcttaactgt 3060
119 tgctctgtca aaacagctat gcagtggagt tgcatttgat gttctagagt ttgattacat 3120
120 gcagagttgt atatagccaa aacttetett atcaaactet gttatgtagg catatttata 3180
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126 <213> ORGANISM: Homo sapiens
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130 <223> OTHER INFORMATION: Incyte ID No: 480731.6.oct
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135 gcagactgtg aggtggagca gtgggactcg gatgagccca tccctgccaa ggagctagag 180
136 cgaggtgtgg cgggggccca cggcctgctc tgcctcctct ccgaccacgt ggacaagagg 240
137 atcctqqatq ctqcaqqqqc caatctcaaa qtcatcaqca ccatqtctqt gggcatcgac 300
138 cacttggctt tggatgaaat caagaagcgt gggatccgag ttggctacac cccagatgtc 360
139 ctgacagata ccaccgccga actcgcagtc tccctgctac ttaccacctg ccgccggttg 420
140 ccggaggcca tcgaggaagt gaagaatggt ggctggacct cgtggaagcc cctctggctg 480
141 tqtqqctatq qactcacqca gagcactqtc ggcatcatcg ggctggggcg cataggtgag 540
142 geteceaceg gecegettge eegeceegge teteacageg tggtttgeat eeetggeace 600
143 acgtgtctga aggctgagaa gacccacatg ctgtcagggc actttgcttg cagtagagat 660
144 atctctaatg agggatacag ctttgtaaaa cacaggcaaa tacataaata aaccaaagca 720
145 gccttcctta agaactcaaa aa
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150 <213> ORGANISM: Homo sapiens
152 <220> FEATURE:
153 <221> NAME/KEY: misc_feature
154 <223> OTHER INFORMATION: Incyte ID No: 334751.2.dec
156 <400> SEQUENCE: 3
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158 totoccaace coggacacce ggcttcgact ggttatatet toggtgttet tttcctctet 120
159 tettettteg eggtteagea tgeaggaaaa agaegeetee teacaaggtt teetgeeaca 180
160 cttccaacat ttcgccacgc aggcgatcca tgtgggccag gatccagagc aatggacctc 240
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Input Set : A:\PT-1066 USN SEQUENCE LISTING.txt

Output Set: N:\CRF3\04112002\J089128.raw

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162 gcactcgggt tttgaatata gccgttctgg aaatcccact aggaattgcc ttgaaaaagc 360
163 aqtqqcaqca ctqqatqqqq ctaaqtactq tttqqccttt qcttcaqqtt tagcaqccac 420
164 tgtaactatt acccatcttt taaaagcagg agaccaaatt atttgtatgg atgatgtgta 480
165 tggaggtaca aacaggtact tcaggcaagt ggcatctgaa tttggattaa agatttcttt 540
166 tgttgattgt tccaaaatca aattactaga ggcagcaatt acaccagaaa ccaagcttgt 600
167 ttggatcgaa acccccacaa accccaccca gaaggtgatt gacattgaag gctgtgcaca 660
168 tattqtccat aaqcatqqaq acattatttt gqtcqtggat aacactttta tgtcaccata 720
169 tttccagcgc cctttggctc tgggagctga tatttctatg tattctgcaa caaaatacat 780
170 gaatggccac agtgatgttg taatgggcct ggtgtctgtt aattgtgaaa gccttcataa 840
171 tagacttcgt ttcttgcaaa actctcttgg agcagttcca tctcctattg attgttacct 900
172 ctgcaatcga ggtctgaaga ctctacatgt ccgaatggaa aagcatttca aaaacggaat 960
173 ggcagttgcc cagttcctgg aatctaatcc ttgggtagaa aaggttattt atcctgggct 1020
174 gccctctcat ccacagcatg agttggtgaa gcgtcagtgt acaggttgta cagggatggt 1080
175 caccttttat attaagggca cttcttcagc atgctgagat tttcctcaag aacctaaagc 1140
176 tatttactct ggccgagagc ttgggaggat tcgaaagcct tgctgagctt ccggcaatca 1200
177 tgactcatgc atcagttctt aagaatgaca gagatgtcct tggaattagt gacacactga 1260
178 ttcgactttc tgtgggctta gaggatgagg aagacctact ggaagatcta gatcaagctt 1320
179 tgaaggcagc acacceteca agtggaagte acagetagta ttecagaget getattagaa 1380
180 gctgcttcct gtgaagatca aatcttcctg agtaattaaa tggaccaaca atgagccttt 1440
181 gcaaaatttt caagcqqaaa ttttaaggca cctcattatc tttcataact gtaattttct 1500
182 tagggatcat ctctgttaaa aagttttctg tatgtcatgt tataattaca ggtcaattct 1560
183 qttaatatct ttttqttaat tttqctctat gtttqcctct gaaggaggtg agatttqtqc 1620
184 tactttggga gattatgttc ttttttcatg tctaagattt attttgatca tgtttataat 1680
185 ataatggtaa ttcattttg atgttttgtg aagaatttaa atttaaacga atgttcttaa 1740
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189 <211> LENGTH: 1305
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191 <213> ORGANISM: Homo sapiens
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195 <223> OTHER INFORMATION: Incyte ID No: 237330.8.dec
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200 cagaggaacg actacgcatg cgtgcaaggt cctccgcgcg cgactacgct cataaaagga 180
201 aaaaaagcgt gtgcggttct cgacgtgccg ccaatcttcg aacgcaggtc tgtgatgcat 240
202 ccgcagactc cgaaaaaggg ttcgaggaac gcgcctgctc ccctcgtcgc agtttccagc 300
203 ccqacqaqct tqttttqtcc cqqactcqqt qcccctqtag acaatggccc tcgtgtctgc 360
204 cgattcccgc attgcagaac ttctcacaga gctccatcag ctgatcaaac aaacccagga 420
205 agagcgttcg cggagcgaac acaacttagt gaacatccag aagacccatg agcggatgca 480
206 gacagagaac aagatttctc cctattaccg gacaaagctg cgtggcctct acacaaccgc 540
207 caaqqccqat qcaqaqqctq aqtqcaacat ccttcggaaa gctctggaca agatcgcgga 600
208 aatcaagtot otgttggaag agaggoggat tgcggccaag attgccggto totacaatga 660
209 ctcggagcca ccccggaaga ccatgcgcag aggggtgctg atgaccctgc tgcagcagtc 720
210 ggccatgacc ctgcccctgt ggatcgggaa gcctggtgac aagcccccac ccctctgtgg 780
211 ggccatccct gcctcaggag actacgtggc cagacctgga gacaaggtgg ctgcccgggt 840
212 gaaggccqtq gatqqqqacq agcaqtqqat cctgqccqag gtggtcagtt acagccatgc 900
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Input Set : A:\PT-1066 USN SEQUENCE LISTING.txt

Output Set: N:\CRF3\04112002\J089128.raw

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  215 cttgttccag aaggagcagc tcgtgctggc cctgtatccc cagactacct gcttctaccg 1080
  216 egecetgate catgegeece cacageggee ecaggatgae tacteggtee tgtttgaaga 1140
  217 cacctcctat gcagatggct attcccctcc cctcaatgtg gctcagagat acgtggtggc 1200
  218 ttgtaaggaa cccaagaaaa agtgatgccg cctggcagac tcgccatccc ccaacgacac 1260
  219 agggcaggac agcagaggac gtgctgggat taaacacatt ccccc
  221 <210> SEQ ID NO: 5
  222 <211> LENGTH: 1991
  223 <212> TYPE: DNA
  224 <213> ORGANISM: Homo sapiens
  226 <220> FEATURE:
  227 <221> NAME/KEY: misc_feature
  228 <223> OTHER INFORMATION: Incyte ID No: 053778.11.dec
  230 <220> FEATURE:
 231 <221> NAME/KEY: unsure / (
232 <222> LOCATION: 83-84, 87, 97, 129, 131
  233 <223> OTHER INFORMATION: a, t, c, g, or other
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> 238 acaccoging ngccgttgtt cccgagacgt tgttgagtcc cctgtgtcct cttctgggtg 180
  239 gaggaactgc aatgtctggt ggagaacaga aaccagagag gtactatgtg ggtgtggacg 240
  240 ttggaacagg cagtgtccgt gcagctctgg tggaccagag tggggtcctg ttggcttttg 300
  241 cagaccagec aattaagaat tgggageece agtteaacea ceatgageag teeteegagg 360
  242 acatetggge tgcgtgctgt gttgtcacaa agaaagttgt acaagggatt gatttaaacc 420
  243 aaattcgagg acttgggttt gatgccacgt gttctctggt tgttttggat aagcagtttc 480
  244 acccattacc agtcaaccag taaggggatt cccatcgaaa cgtcatcatg tggctggacc 540
 245 atcgagcagt cagtcaagtt aacaggatca atgagaccaa gcacagtgtc ctccagtacg 600
 246 tcqqqqqqt qatqtctqtq gaaatqcaqq ccccqaaact tctqtqqctq aaagagaact 660
 247 tgagagagat ttgctgggat aaggcgggac atttctttga tctcccggac ttcttatcgt 720
 248 ggaaggcaac aggtgtcaca gcacggtctc tctgctccct ggtgtgtaag tggacatatt 780
 249 cagcagagaa aggctgggac gacagtttct ggaaaatgat tggtttggaa gactttgttg 840
 250 cagataatta cagcaaaata ggaaaccaag tgctacctcc tgqagcttct cttggaaatq 900
 251 ggctcacacc agaggcagca agagaccttg gccttctccc tgggattgcg gtcgcagctt 960
 252 cactcattga tgcccatgca ggaggactag gagtgattgg ggcagatgtg agagggcacg 1020
 253 gcctcatctg tgagggcag ccagtgacgt cacggctggc tgtcatctgt ggaacgtctt 1080
 254 cttgtcacat ggggatcagc aaagacccga tttttgtacc aggcgtctgg gggccttatt 1140
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 256 tgatagacca catggtacaa ggccatgctg cttttccaga actacaagta aaggccacag 1260
 257 ccaqatqcca qaqtatatat qcatatttqa acaqtcacct qgatctgatt aagaaggctc 1320
 258 agcctqtqqq tttccttact gttqatttac atgtttggcc agatttccat ggcaaccggt 1380
 259 ctcccttagc agatctgaca ctaaagggca tggtcaccgg attgaaactg tctcaggacc 1440
 260 ttgatgatct tgccattctc tacctggcca cagttcaagc cattgctttg gggactcgct 1500
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261 tcattataga agccatggag gcagcagggc actcaatcag tactcttttc ctatgtggag 1560 262 gcctcagcaa gaatcccctt tttgtgcaaa tgcatgcgga cattactggc atgcctgtgg 1620 263 tcctgtcgca agaggtggag tccgttcttg tgggtgctgc tgttctgggt gcctgtgcct 1680 264 caggggattt cgcttctgta caggaagcaa tggcaaaaat gagcaaagtt gggaaagttg 1740 265 tgttcccqag actacaggat aaaaaatact atgataagaa ataccaaggta ttcctgaagc 1800





RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/089,128

DATE: 04/11/2002 TIME: 16:03:47

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Output Set: N:\CRF3\04112002\J089128.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seg#:1; N Pos. 414,416,421
Seg#:5; N Pos. 83,84,87,97,129,131
Seq#:9; N Pos. 1059,1076
Seq#:11; N Pos. 2042
Seg#:13; N Pos. 1605,2212
Seg#:17; N Pos. 632
Seq#:20; N Pos. 360
Seq#:21; N Pos. 27,3938
Seq#:23; N Pos. 64,71
Seq#:27; N Pos. 1267,1324,1329,1341
Seg#:28; N Pos. 1089,1237,1283
Seq#:31; N Pos. 382
Seq#:34; N Pos. 1479
Seg#:35; N Pos. 45
Seq#:40; N Pos. 1653
Seg#:41; N Pos. 122,163,170,177
Seq#:43; N Pos. 30
Seq#:44; N Pos. 559,560,569,570,1009,1010,1011,1012,1022,1056,1057
Seq#:45; N Pos. 20,1971
Seq#:46; N Pos. 6955,6964
Seq#:47; N Pos. 1027
Seq#:54; N Pos. 1195
Seg#:58; N Pos. 398
Seq#:59; N Pos. 6249
Seq#:61; N Pos. 49
Seq#:63; N Pos. 118
Seq#:65; N Pos. 631,633,635,1339,1343,1353
Seq#:68; N Pos. 2986
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Seq#:71; N Pos. 188